

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1231	impedance near3 (lower\$3 or reduc\$4) same (antenna\$2 or dipole\$1) same (frequenc\$3 or band\$1 or broadband\$1 or wideband\$1 or bandwidth\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:25
L2	610	1 and (rfid\$2 or transponder\$1 or backscatter\$3 or back-scatter\$4 or resona\$4 near5 frequenc\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:06
L3	165	2 and @ad<="19990902"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:06
L4	396	impedance near3 (lower\$3 or reduc\$4) near5 (section\$1 or portion\$1 or segment\$1 or strip\$1) and "39"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:07
L5	21	impedance near3 (lower\$3 or reduc\$4) near5 (section\$1 or portion\$1 or segment\$1 or strip\$1) and 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:27
L6	0	1 and edwin near3 holloway\$1.xa, xp.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:24
L7	0	impedance near3 (lower\$3 or reduc\$4) same (antenna\$2 or dipole\$1 or microstrip\$1) same (frequenc\$3 or band\$1 or broadband\$1 or wideband\$1 or bandwidth\$2) and edwin near3 holloway.xa,xp.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:25

## EAST Search History

L8	45	"340"/\$.ccls. and (rfid\$2 or transponder\$1) and (frequencies or band\$1 or broadband\$1 or wideband\$1 or bandwidth\$2) and edwin near3 holloway.xa,xp.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/24 00:24
L9	0	8 and o'tool.inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:26
L10	0	8 and "o'tool".inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:27
L11	12	8 and "o'toole".inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:27
L12	0	impedance near3 (lower\$3 or reduc\$4) and 11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:28
L13	0	impedance near5 (lower\$3 or reduc\$4) and 11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/23 20:28
L14	12	("3745569"   "4075632"   "4926182"   "4963887"   "5084699"   "5598169"   "5621412"   "5649296"   "5771021"   "5838235"   "5842118"   "6130602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/23 20:53

## EAST Search History

L20	22	(microstrip\$ or micro-strip\$) and antenna\$ same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1 or backscatter\$3 or back-scatter\$3 or back adj scatter\$) and ("343"/\$.ccls. or "340"/\$.ccls.) and @ad<="19990902"	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:09
L21	75	antenna\$ same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1 or backscatter\$3 or back-scatter\$3 or back adj scatter\$) and ("343"/\$.ccls. or "340"/\$.ccls.) and @ad<="19990902" not 20	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:10
L22	3	antenna\$ same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1) and (backscatter\$3 or back-scatter\$3 or back adj scatter\$) and ("343"/\$.ccls. or "340"/\$.ccls.) and @ad<="19990902" not 20	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:17
L23	3	22 not 5 not 8	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:10
L24	71	antenna\$ same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1) and ("343"/\$.ccls. or "340"/\$.ccls.) and @ad<="19990902" not 20 not 23	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:18

## EAST Search History

L25	13	antenna\$ same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) near10 (segment\$1 or portion\$1 or section\$1 or part\$1 or patch) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1) and ("343"/\$.ccls. or "340"/\$.ccls. ) and @ad<="19990902" not 20 not 23	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:22
L26	0	(dipole\$1 or microstrip\$ or micro-strip\$ or micro adj strip\$1 or antenna\$) same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) near10 (segment\$1 or portion\$1 or section\$1 or part\$1 or patch) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1) and ("343"/\$.ccls. or "340"/\$.ccls. ) and @ad<="19990902" not 20 not 23 not 25	US-PGPUB; USPAT	OR	OFF	2006/12/23 22:23
L27	39	(dipole\$1 or microstrip\$ or micro-strip\$ or micro adj strip\$1 or antenna\$) same impedance\$1 near5 (reduce\$1 or reducing or reduction\$1 or lower\$4) near10 (segment\$1 or portion\$1 or section\$1 or part\$1 or patch) and (band\$1 or bandwidth\$1 or frequencies) and (rfid\$2 or transponder\$1 or transceiver\$1 or (transmit\$ and receiv\$4)) and ("343"/\$.ccls. or "340"/\$.ccls. or "455"/\$.ccls.) and @ad<="19990902" not 20 not 23 not 25	US-PGPUB; USPAT	OR	OFF	2006/12/23 23:00
L28	8	((("5491484") or ("5512910") or ("6184841") or ("5649296") or ("6215402") or ("6317027") or ("5320561") or ("5528222")).PN.	USPAT	OR	OFF	2006/12/23 23:24
L29	4	340/572.\$.ccls. and lee near3 benjamin.xa,xp. and frequencies. ab.	USPAT	OR	OFF	2006/12/23 23:25
L30	718089	340/572.\$.ccls. and lee near3 benjamin.xa,xp. and first near5 frequenc\$ same second frequenc\$3 not 29	USPAT	OR	OFF	2006/12/23 23:26

## EAST Search History

L31	24	340/572.\$\$.ccls. and lee near3 benjamin.xa,xp. and first near5 frequenc\$ same second near3 frequenc\$3 not 29	USPAT	OR	OFF	2006/12/23 23:33
L32	41	340/572.\$\$.ccls. and lee near3 benjamin.xa,xp. and frequenc\$3. ab. not 31 not 29	USPAT	OR	OFF	2006/12/23 23:28
L33	100	340/572.\$\$.ccls. and lee near3 benjamin.xa,xp. and frequenc\$3 not 32 not 31 not 29	USPAT	OR	OFF	2006/12/23 23:30
L34	134	340/572.\$\$.ccls. and wu near3 daniel.xp.	USPAT	OR	OFF	2006/12/23 23:31
L35	38	34 and reflect\$4	USPAT	OR	OFF	2006/12/23 23:31
L36	49	340/572.\$\$.ccls. and lee near3 benjamin.xa,xp. and reflect\$	USPAT	OR	OFF	2006/12/23 23:35
L37	2	frequencies.ab. and lee near3 benjamin.xa,xp. and reflect\$ and (transponder\$1 or rfid\$2)	USPAT	OR	OFF	2006/12/23 23:37
L38	0	37 and (backscatter\$4 or back-scatter\$)	USPAT	OR	OFF	2006/12/23 23:37
L39	1300	(340/572.\$\$.ccls. or "343"/\$.ccls. or "455"/\$.ccls.) and antenna\$2 near15 dual near3 band\$1 and (backscatter\$4 or (transmit\$4 and receiv\$4) or transceiv\$4 or rfid\$2 or transponder\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/24 00:26
L40	7	39 and backscatter\$4 and (rfid\$2 or transponder\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/24 00:26
S1	1	("20040178912").PN.	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:38
S2	1	S1 and (frequenc\$3 or simultaneous\$ or band\$1 or antenna\$2)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:41
S3	1	"6130602".pn. and (frequenc\$3 or simultaneous\$ or band\$1 or antenna\$2)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:49
S4	398	impedance near5 (lower\$3 or reduc\$4) near15 (antenna\$2 or dipole\$1) same (frequenc\$3 or band\$1 or broadband\$1 or wideband\$1) and (340/572.7.ccls. or "343"/\$.ccls. or "455"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:50

## EAST Search History

S5	455	impedance near5 (lower\$3 or reduc\$4) near15 (antenna\$2 or dipole\$1) same (frequenc\$3 or band\$1 or broadband\$1 or wideband\$1 or bandwidth\$2) and (340/572.7.ccls. or "343"/\$.ccls. or "455"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:52
S6	338	S5 and (rfid\$2 or transponder\$1 or backscatter\$3 or back-scatter\$4 or resona\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:52
S7	285	S5 and (rfid\$2 or transponder\$1 or backscatter\$3 or back-scatter\$4 or resona\$4 near5 frequenc\$3)	US-PGPUB; USPAT	OR	OFF	2006/12/23 20:06
S8	198	impedance near3 (lower\$3 or reduc\$4) near15 (antenna\$2 or dipole\$1) same (frequenc\$3 or band\$1 or broadband\$1 or wideband\$1 or bandwidth\$2) and S7	US-PGPUB; USPAT	OR	OFF	2006/12/23 20:05
S9	70	S8 and @ad<="19990902"	US-PGPUB; USPAT	OR	OFF	2006/12/23 21:40
S10	3	S9 and (rfid\$2 or transponder\$1) and (backscatter\$3 or back-scatter\$4 or resona\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:52
S11	10	impedance near3 (lower\$3 or reduc\$4) near5 (section\$1 or portion\$1 or segment\$1 or strip\$1) and S9	US-PGPUB; USPAT	OR	OFF	2006/12/23 20:07
S12	10	S11 not S10	US-PGPUB; USPAT	OR	OFF	2006/12/21 19:59